In Your Face

Test Plan & Initial Expected Data

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Test Plan

• **Sensor Testing**
  – Range
  – Response Time
  – Precision

• **Software Testing**
  – Throughput
  – Startup Time
Expected Results

- **Sensor Data**
  - Range should follow chart
  - < 5% error

- **Software Testing**
  - > 10 ops per second
  - < 1 sec startup time
Initial Results

Ranges of Usability for Sharp IR Sensors
Initial Results
Initial Results

Sensor Voltage Readings - 41 cm Precision Test

Reading #
Initial Results

- Average Start Up Time: 3.0652 sec.
- Average Throughput: 9.353 operations/sec.